

FIG. 1
(PRIOR ART)

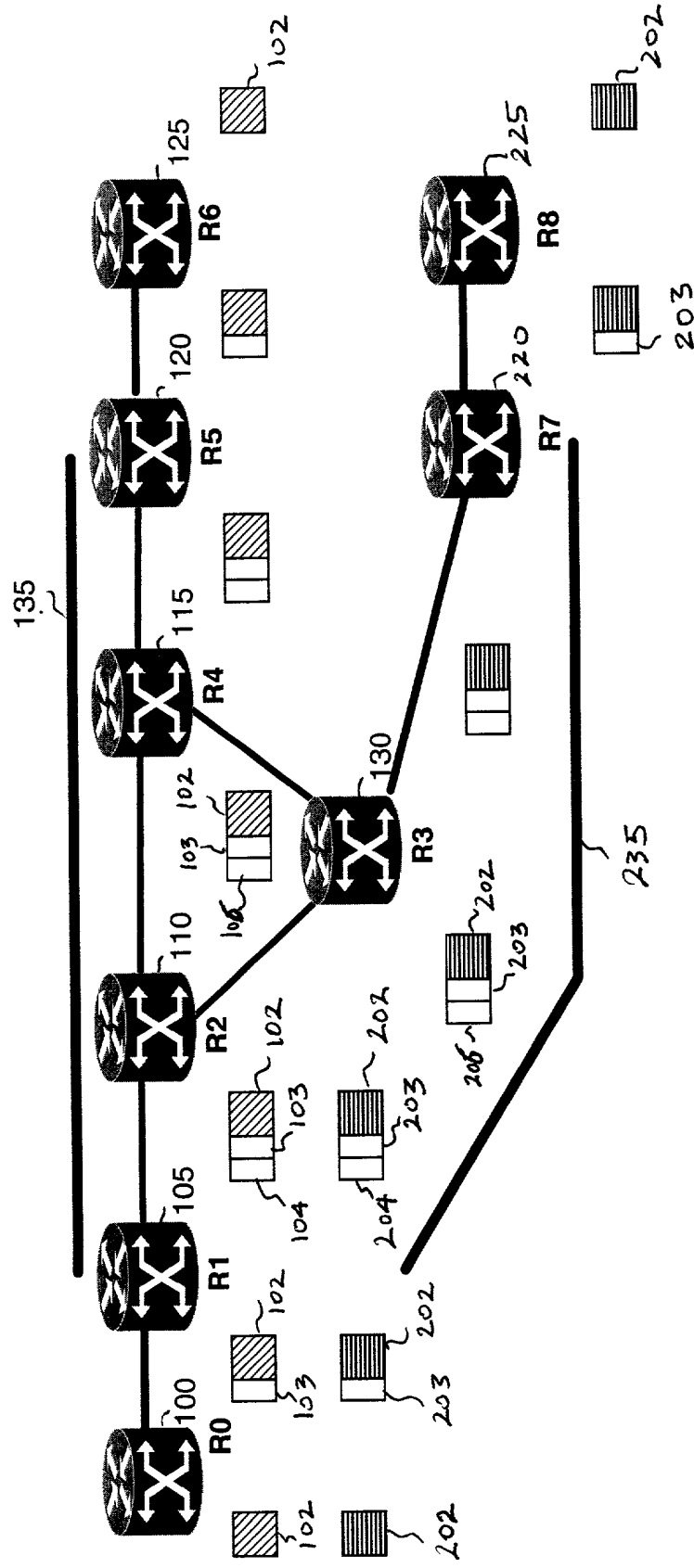


FIG. 2A
(PRIOR ART)

305		310		315		320	
ATM id	VC Label	Tunnel Label		Interface			
10/100	100	20 -> 40		1 -> 3			
20/200	200	20 -> 40		1 -> 3			
30/300	300	30		2			
40/400	400	20 -> 40		1 -> 3			

FIG. 3
(PRIOR ART)

ATM id	VC Label	Group id
10/100	100	1
20/200	200	1
30/300	300	2
40/400	400	1

FIG. 4

Group id	Tunnel Label	Interface
1	20 -> 40	1 -> 3
2	30	3
3	40	2
4	50	5

FIG. 5

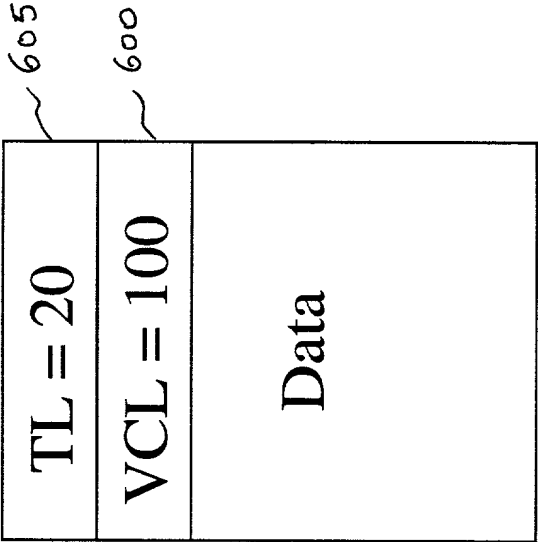


FIG. 6A

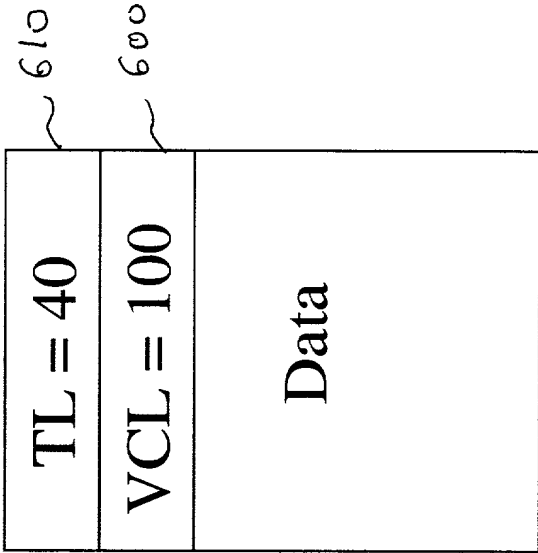


FIG. 6B

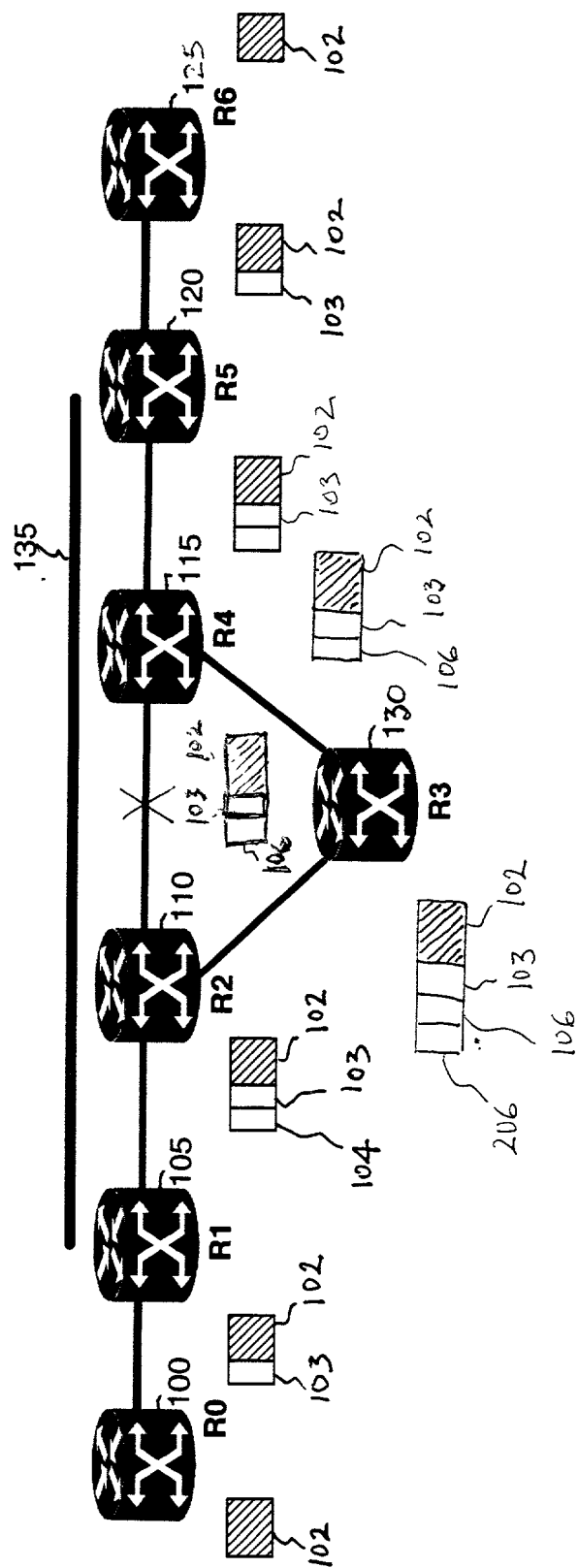


FIG. 7

Group id	Tunnel Label	Original Interface	Backup Label Enable	Backup Label	New Interface
1	20->40	1 -> 3	NO	1	2
2	30	3	NO	1	3
3	40	2	NO	2	4
4	50	5	NO	1	4

FIG. 8

520 525 530 835 840 845

Group id	Tunnel Label	Original Interface	Backup Label Enable	Backup Label	New Interface
1	20	1	YES	50	2
2	30	3	NO	60	3
3	40	2	NO	70	4
4	50	5	NO	80	4

FIG. 9

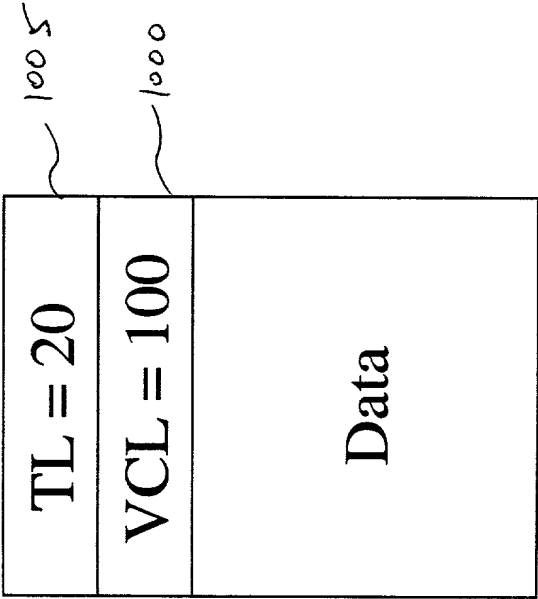


FIG. 10A

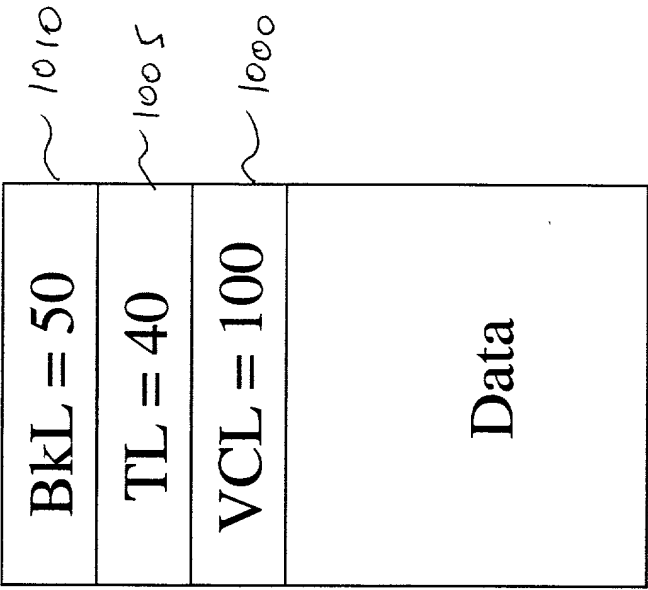


FIG. 10B

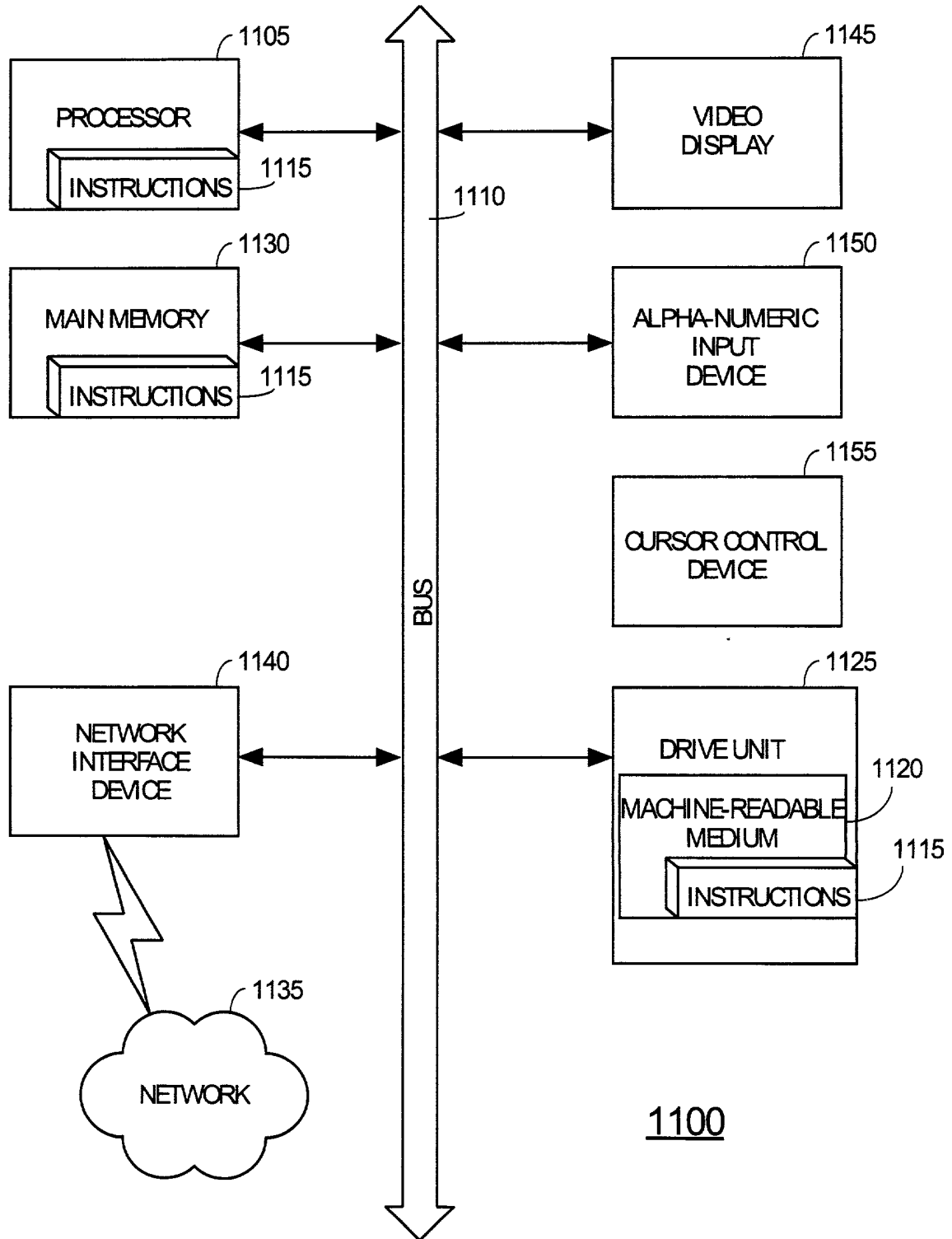


FIG. 11